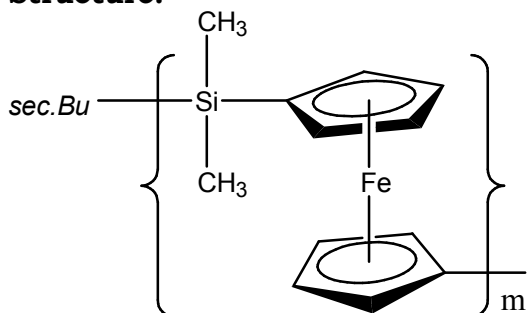


Sample Name:

Poly(ferrocenyldimethylsilane)

Sample #: **P9429-FES (amorphous)**

Structure:



Composition:

$M_n \times 10^3$	M_w/M_n (PDI)
6.5	1.3
T_g ($^{\circ}\text{C}$)	24

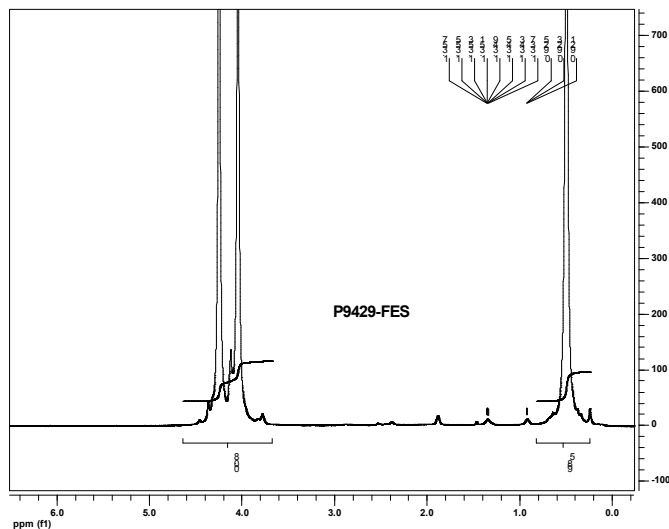
Synthesis: By thermal polymerization

Characterization:

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). Thermal analysis of the sample was carried out using a TAQ100 differential scanning calorimeter at heating rate of 10 $^{\circ}\text{C}/\text{min}$.

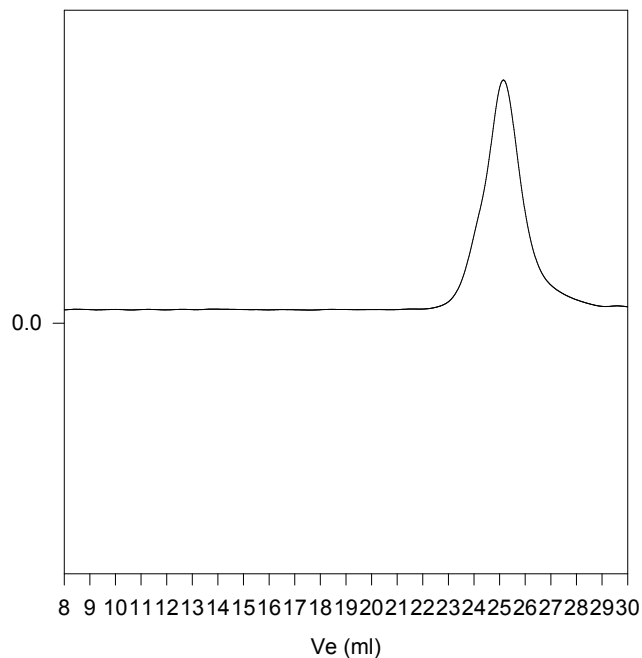
Solubility:

Polymer is soluble in THF, CHCl_3 , Toluene and precipitate out from ether and hexanes.



SEC profile of the polymer:

P9429-FES



— Polyferrocenyl dimethylsilane, $M_n=6,500$, $M_w=8,500$ PI=1.3

DSC thermogram for the polymer:

